NEWSLETTER                                                     MARCH 1987
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SWAP MEET:

On 28 March, 1987, we will have a booth at the Santa Clara Fair Grounds. Our time will be from 10 AM - 6 PM. We will be promoting the TRS-80 Club only; nothing to sell. If you wish to maintain the booth for a few hours, let me know at one of the meetings.

3.5 " DRIVE:

The double sided 3.5 " drive was bought and installed in the BBS IBM Clone computer last week. Should you have a need to transfer programs thru it into your machines, we do have the capability to go either way. This means, should you have an IBM with 3.5 " disks, you can transfer them to your Tandy machines, and vice versa.

D.M.A.:

What is the D.M.A. (Direct Memory Access) and why is it a necessity? Why didn't Tandy include one in their MS-DOS machines? D.M.A. allows the processor to overlay disk I/O operations with other work. The lack of D.M.A. affects the performance of programs that use Disk Drives (more than one) by using Memory plus a RAM Disk set up. You can live without the D.M.A. chip system. Tandy took this route. You will find the word "cheap" fits their reasoning.

Some Programs will simply not run correctly, or not at all, without the D.M.A. They use the D.M.A. Processor chip. All you need to do is buy the board that contains a D.M.A. Processor chip on it and you will have full compatibility with the MS-DOS world of programs. The boards cost from $100 - $300, depending on how many other luxuries are included on the board. Look in "80 MICRO" for ads that describe them. •

"HAYES" COMPATIBILITY:

If a Modem is "Hayes" compatible, what is the difference between it and a standard Modem? Most of the problems in getting Communication Programs to send the proper commands to another Modem is that the Modem does not accept the Modem's Command Set. The "Hayes" Command Set has become the Standard for most Communications. Some Programs have a method of specifying a different Command Set, if necessary. Some programs allow the User to specify the Command sequence for dialing, etc., but will not issue the Commands to change Format (8-N-1 to 7-E-1). The result is that the Modem will not dial, or it will receive data that looks like garbage.

The "Hayes" Command Set "standard" is a system of standards that allow you to communicate throughout a network of Modem Systems without requiring you to have a Modem Program for each different Modem mating you attempt. This is a nice way of keeping Modem Communications simple.

Should one insist on a "Hayes" Modem? Well, if you plan to use a variety of BBS Boards or the Network Systems, then yes, otherwise if you plan a special application setup, you can buy a simple Modem and set up your Communications Package for its application. Either way, it takes practice, and knowledge, to use a Modem, especially if you are transferring Data. You may test your skills at the Club Meetings by bringing your Computer and Modem with you and learning "how" with the help of a more skilled Club Member. Also, if you are transferring Data between two machines, "those who know how will help you."

MODEL 3-4-4P DRIVES ADDITION:

Should you desire more disk storage on your Model 3 or Model 4/4P, you can add more internal or external Disk Drives, or change external Disk Drives to ones that have more Data storage

It isn't very easy for the first time technician, and it can be quite complicated when you add internal Disk Drives to your existing Computer. I find that using Radio Shack Services can be very expensive also. Our Club has technicians that know what to buy, how to install, and how to configure the Disk Drives and the DOS. They service the Club very well and they are inexpensive too.

CP/M P. DOMAIN SOFTWARE:

Do you need a source for CP/M Programs? Here are a few local CP/M sources:
>           The BAKUP CP/M Library
>           1739 Ward St.
>           Berkeley, CA. 94703
>           Ph. # 415/849-3025
>
>           GOLDEN GATE INFORMATION SYSTEMS
>           P. O. Box 11135
>           San Francisco, CA. 94101
>           Modem = 415/285-2687    KAY-F.O.G.
>           Power Net 300:

This is a unit that allows up to 80 separate devices to be connected together without complicated and expensive wiring costs. Yes, using the electrical outlets and existing wiring, you can connect printers, disks, etc. - up to 80 devices together. It uses a coding generator!!
>           RADAMEE ELECTRONICS
>           of Crowthorne, Berkshire
>           England

## SURVEY STATISTICS:

This is a statistics survey of a Computer magazine that maintains coverage of most all types of Computer Systems. Here are the percentages of those that read the various sections:

| | |
|---|---|
| IBM | 80% |
| Amiga | 26% |
| Apple | 32% |
| Commodore | 26% |
| Heath/Zenith | 22% |
| T.I. | 19% |
| Timex/Sinclair | 17% |
| Sanyo | 20% |
| Others | 1.7% |
| TRS-80 | ? ? ? |

| | |
|---|---|
| Those interested in Computer Books: | 51% |
| Bulletin Boards: | 28% |
| User Groups: | 37% |

Those Programs owned by Users:

| | |
|---|---|
| Word Processors | 85% |
| Data Base Management | 59% |
| Spreadsheets-Financial Planners | 63% |
| Games | 63% |
| Graphic Programs | 49% |
| Desktop Organizers | 22% |
| Educational Softwares | 36% |
| CAD/CAM Programs | 17% |

Either TRS-80 people don't acknowledge surveys or they own other Computer Systems and aren't proud of their TRS-80's.

## COMPUTER OVERHEATING:

Did you know the magic number is 123 degrees F? Yes, most manufacturers use that temperature as a warning temperature zone. You can buy an alarm unit and install it inside your Computer so that if you exceed 123 degrees F., it will produce a high pitch tone and, when you hear it, you should shut down your Computer so you won't damage it.

ORIGO INTERNATIONAL
PH. # 818/340-7552
$50.00

It plugs into your speaker and that is all there is to it. It's called Heat Alarm. It was designed for use with MS-DOS type Computers, but should work with any computer that has a speaker inside it. You could design your own temperature warning unit also. Just remember to set the Temperature to 123 degrees F.

4TH WED..MEETING..1987

JAN.  DISK OPERATING SYSTEM-SYSTEMS

FEB.  PROGRAMS TRANSFERING

MAR  ELECTRICAL PROTECTION 110v

APL  MODEM PROTICOLS

MAY  UPGRADING YOUR COMPUTER

JUN  COMPUTER PREVENTIVE MAINT.

JUL  PRINTERS-PROBLEMS ECT.

AUG  BASIC PROGRAMING

SEP  COMPUTER LANGUAGES

OCT  COMPUTER ACCESSORIES ECT.

NOV  CLUB REVIEW  1987

DEC  NEW PRODUCTS- REVIEW

THIS MEETING IS A ROUND TABLE DISCUSSION OF
THE SUBJECT OF THAT MONTH.... COME AND HELP
THE DISCUSSION WITH YOUR KNOWLEDGE OR YOUR
PROBLEMS........

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MEETINGS:

2ND  SAT..................1PM  WORKSHOP 14TH.

4TH  WED...................7PM  LECTURE 25TH.

NOTES:

1.  MEMBERSHIP REQUIRED
2.  GUESTS..BY APPOINTMENT ONLY

INFORMATION...CALL 408-379-2774

B.B.S.........CALL 408-374-3974
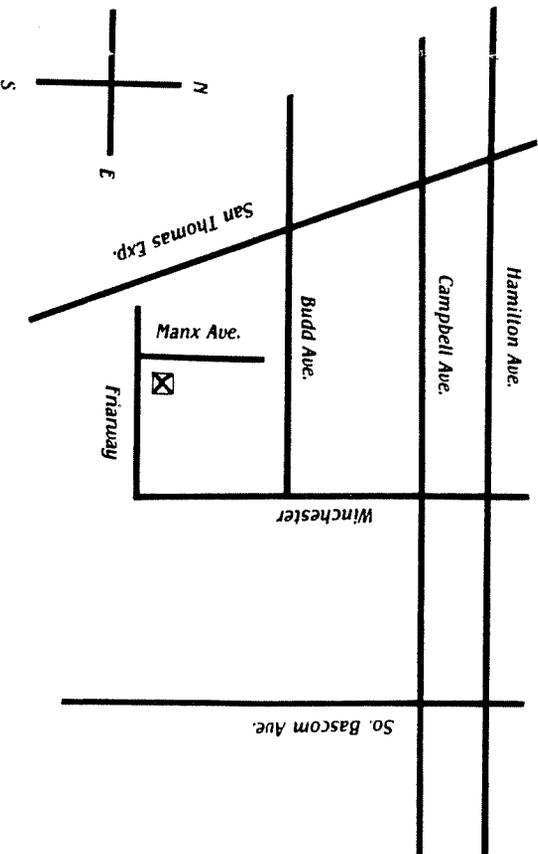
This club has been established to provide its members total computer knowledge using "hands-on" application during the meetings. For better understanding of existing hardware and software in an informal—social club atmosphere.

We hope to provide members close contact between novice and amateur home computer entusiasts; young and old, male and female, school, home, business and hobbiest.

Hamilton Ave.

Campbell Ave.

Budd Ave.

Manx Ave.

Friaway

San Thomas Exp.

Winchester

So. Bascom Ave.

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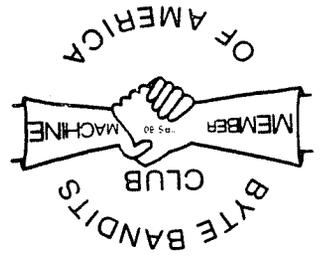
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Campbell, CA 95008
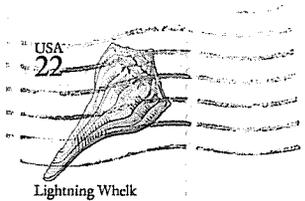
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MEMBER  TRS-80'S  MACHINE
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BDBurn

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